

Abstract

A manufacturing method for differential denier and differential cross section fiber and fabric is provided, wherein the method comprising melting two polymers having different alkali dissolution rate respectively, blending the two polymers in an adjusted ratio, then spinning the blend from a pack assembly consisting of distributor for producing general split type microfiber and spinnerette with spinning orifice of different shape to produce fiber, which is directly formed into SDY (spin draw yarn) subjecting to a direct spin–draw process, or formed into a flat yarn and draw texture yarn subjecting to draw twisting process and false twisting process or formed into a composite flat yarn and composite draw texture yarn subjecting to composite draw twisting process and composite false twist process; spinning said SDY, flat yarn, draw texture yarn, composite flat yarn or composite draw texture yarn to fabric and subjecting the fabric to alkali treatment to obtain fabric with differential denier and differential cross section fabric in excellent tactility and luster.